

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082376.D
 Acq On : 20 Oct 2015 2:10
 Operator : UM/IZ
 Sample : G4040-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-03

Quant Time: Oct 20 03:16:55 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 20 03:15:01 2015
 Response via : Initial Calibration

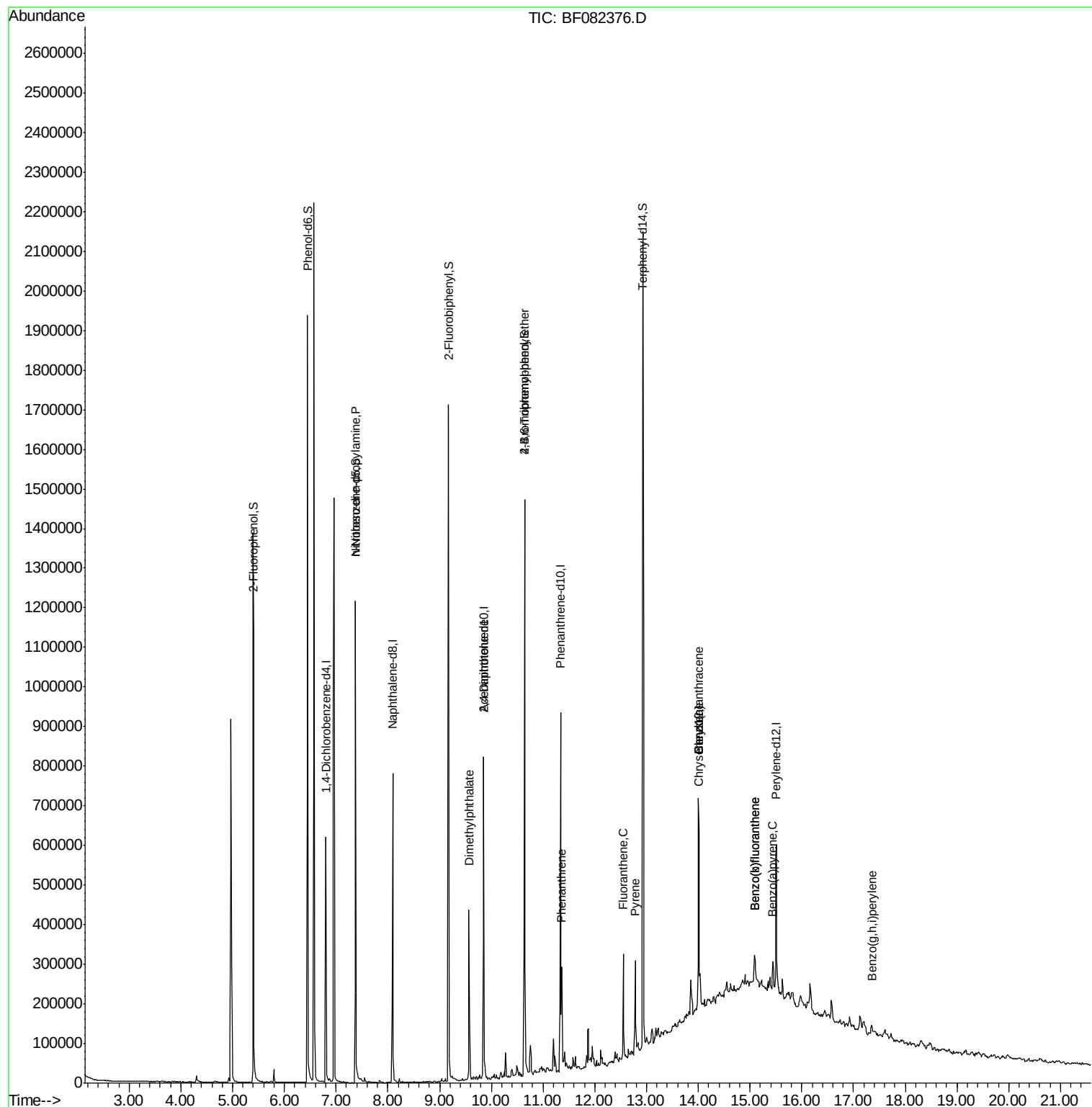
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	98001	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	382888	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	184857	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	359182	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	258841	20.00	ng	-0.01
86) Perylene-d12	15.51	264	225248	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	553129	113.91	ng	0.01
7) Phenol-d6	6.45	99	748690	118.48	ng	-0.01
23) Nitrobenzene-d5	7.37	82	439789	77.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	157409	90.80	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	888324	79.69	ng	0.00
78) Terphenyl-d14	12.93	244	787834	80.66	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	58225	13.12	ng	# 80
49) Dimethylphthalate	9.57	163	200195	15.38	ng	99
55) 4-Nitrophenol	10.06	139	1640	Below Cal	#	29
56) 2,4-Dinitrotoluene	9.85	165	24220	7.06	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	12882	3.58	ng	# 1
70) Phenanthrene	11.36	178	97177	5.52	ng	97
74) Fluoranthene	12.55	202	116970	6.19	ng	99
77) Pyrene	12.78	202	109408	7.12	ng	98
80) Benzo(a)anthracene	14.00	228	56050	4.16	ng	97
82) Chrysene	14.00	228	56050	3.95	ng	94
87) Benzo(b)fluoranthene	15.09	252	52939	3.86	ng	# 88
88) Benzo(k)fluoranthene	15.09	252	52939	4.60	ng	# 86
89) Benzo(a)pyrene	15.44	252	29684	2.52	ng	# 88
91) Benzo(a,h,i)perylene	17.35	276	20446	2.18	ng	# 92

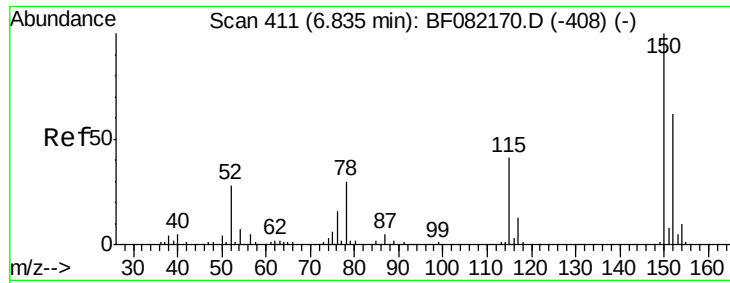
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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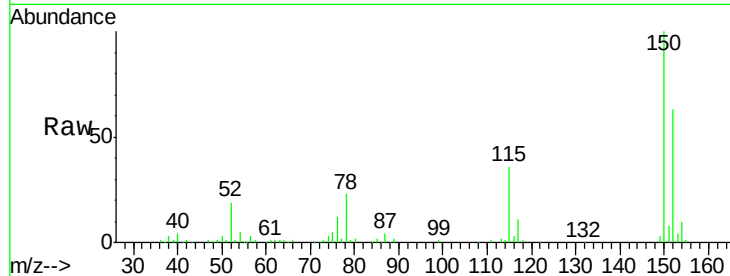


#1

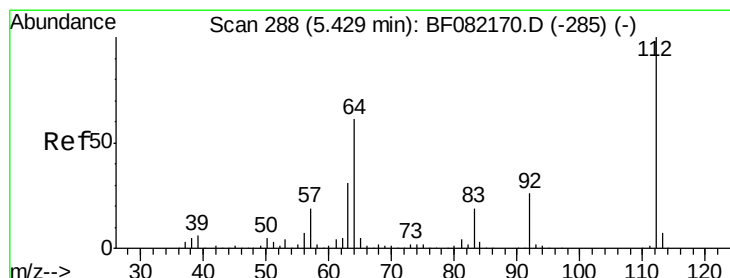
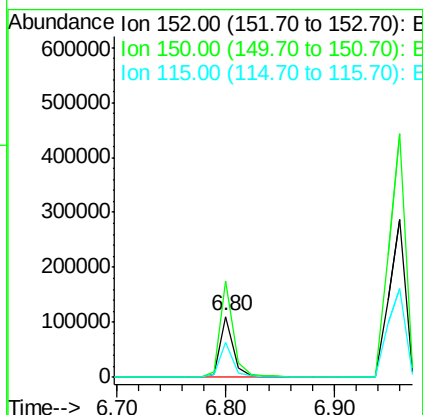
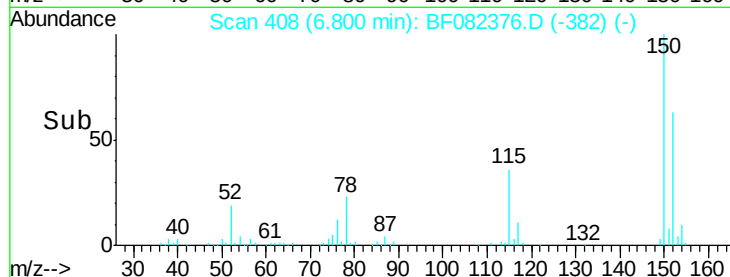
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-03

Tot Ion:152 Resp: 98001
Ion Ratio Lower Upper
152 100
150 159.1 129.0 193.4
115 56.8 52.1 78.1



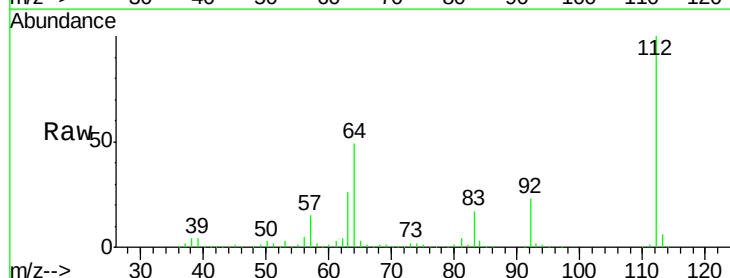
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



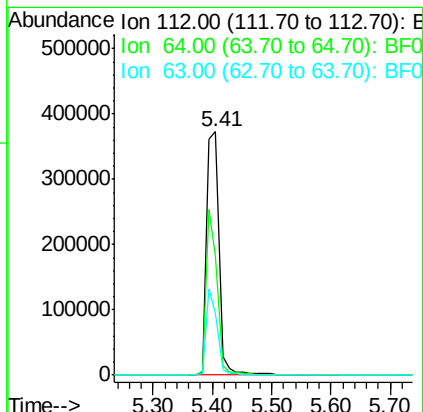
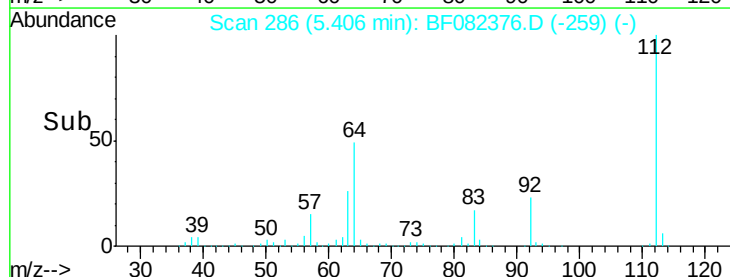
#5

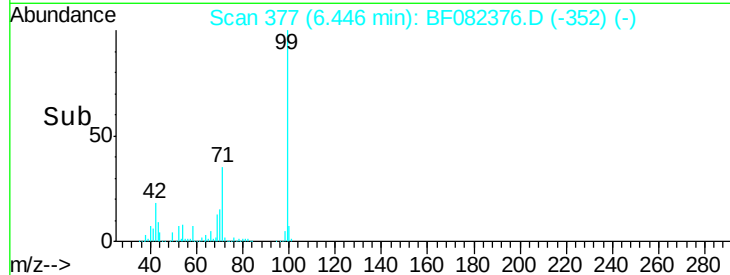
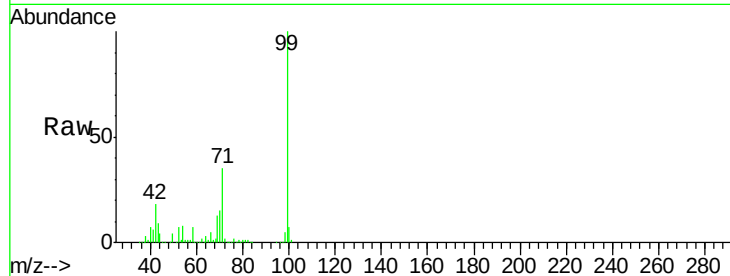
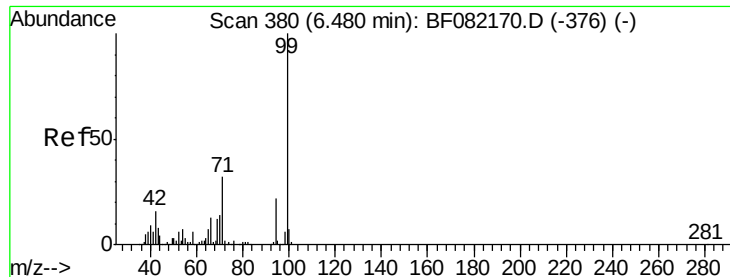
2-Fluorophenol
Concen: 113.91 ng
RT: 5.41 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Tgt Ion:112 Resp: 553129
Ion Ratio Lower Upper
112 100
64 48.9 48.6 73.0
63 25.6 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.48 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-03

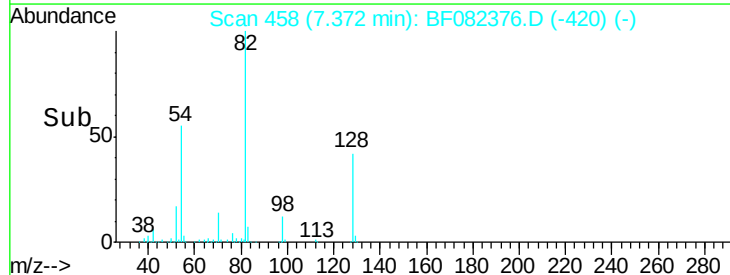
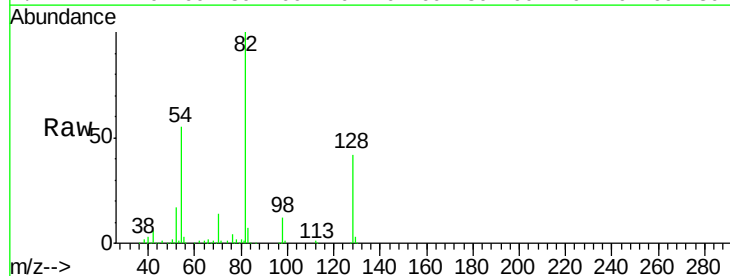
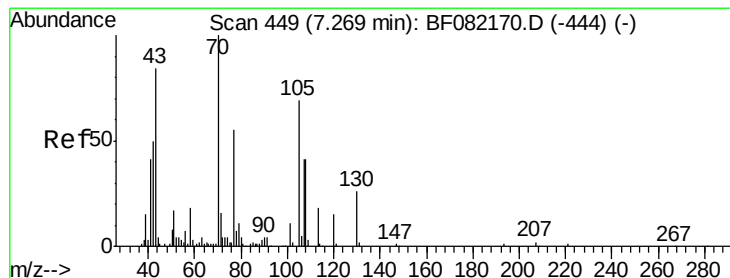
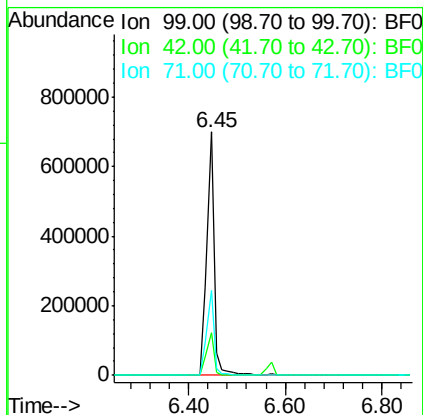
Tot Ion: 99 Resp: 748690

Ion Ratio Lower Upper

99 100

42 17.7 13.2 19.8

71 34.8 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.12 ng

RT: 7.37 min Scan# 458

Delta R.T. 0.14 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

Tgt Ion: 70 Resp: 58225

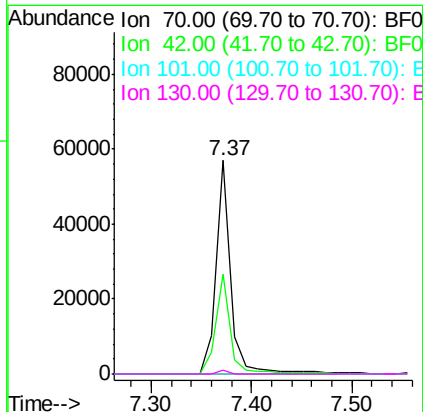
Ion Ratio Lower Upper

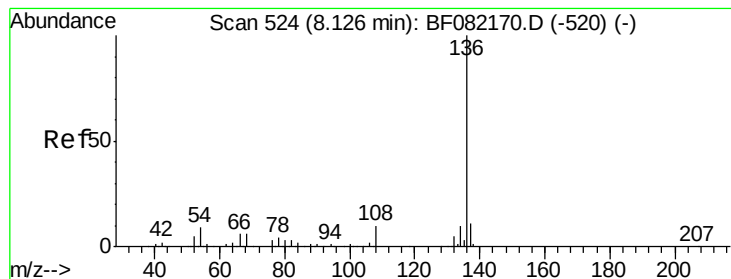
70 100

42 47.0 39.8 59.8

101 0.0 8.6 13.0#

130 2.1 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-03

Tot Ion:136 Resp: 382888

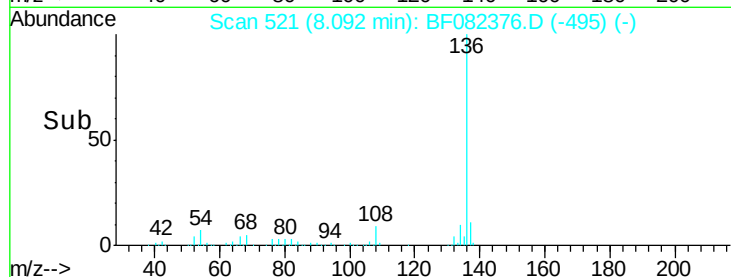
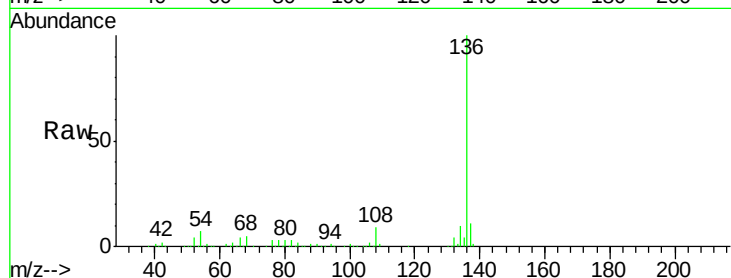
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 7.1 7.5 11.3#

68 4.7 4.6 7.0

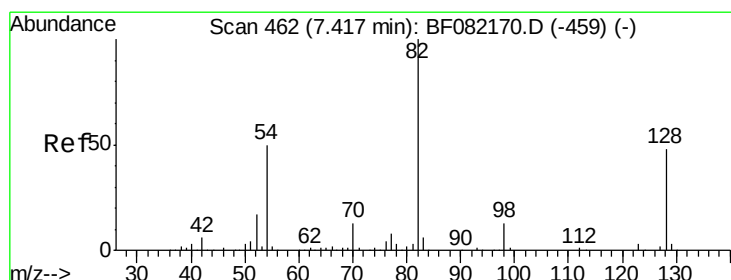
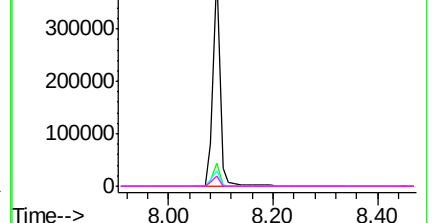


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 77.13 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

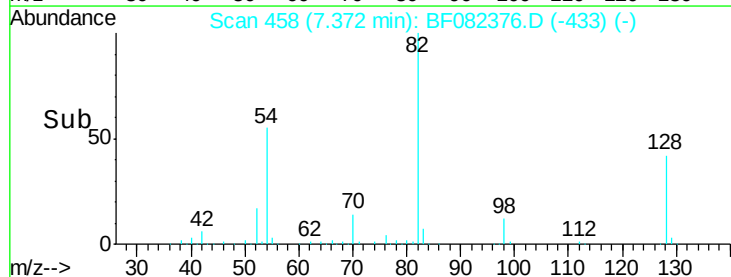
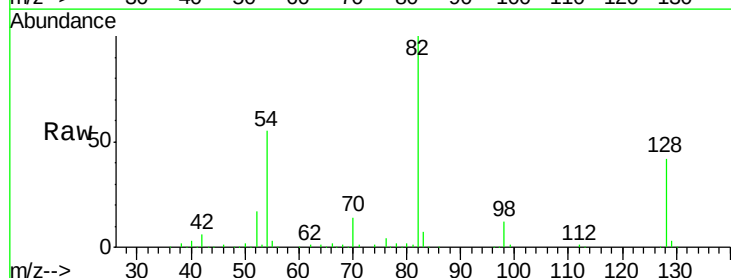
Tgt Ion: 82 Resp: 439789

Ion Ratio Lower Upper

82 100

128 41.9 38.7 58.1

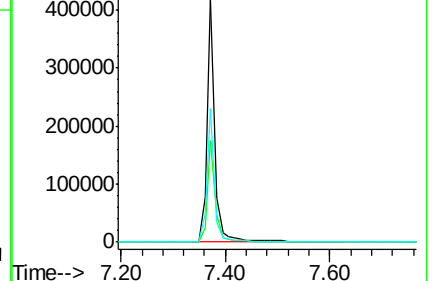
54 54.7 40.1 60.1

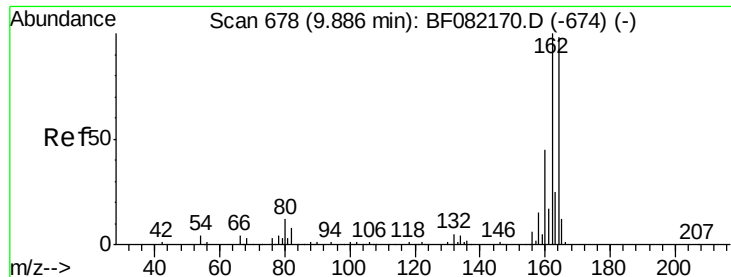


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 675

Delta R.T. 0.00 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-03

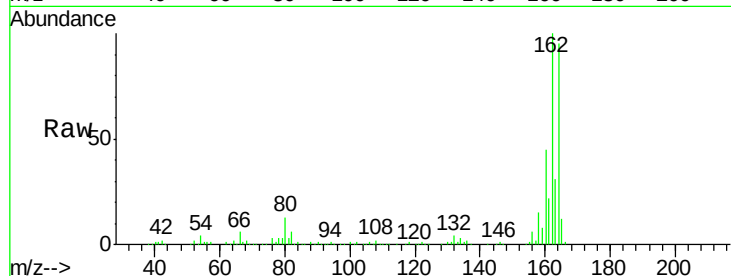
Tot Ion:164 Resp: 184857

Ion Ratio Lower Upper

164 100

162 105.5 81.6 122.4

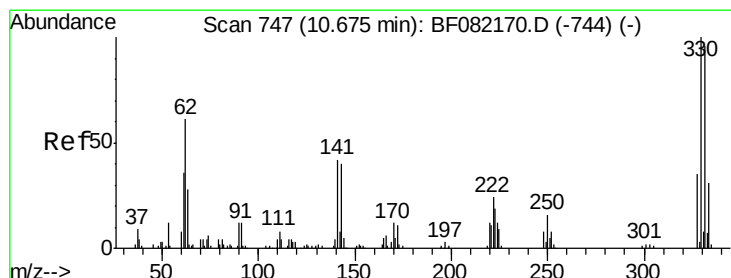
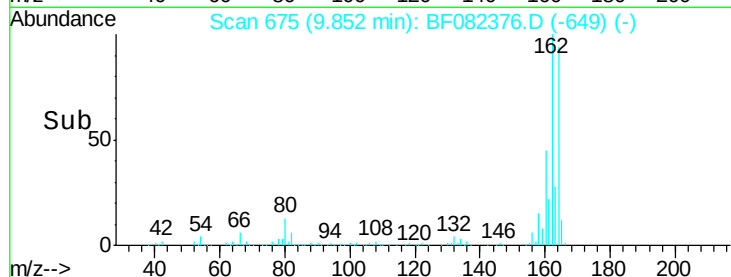
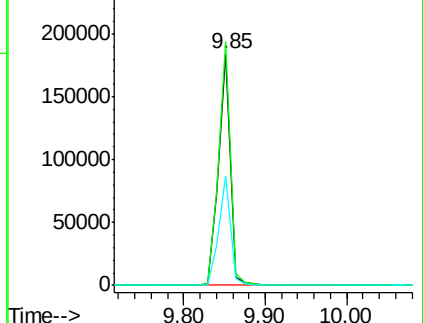
160 47.0 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 90.80 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

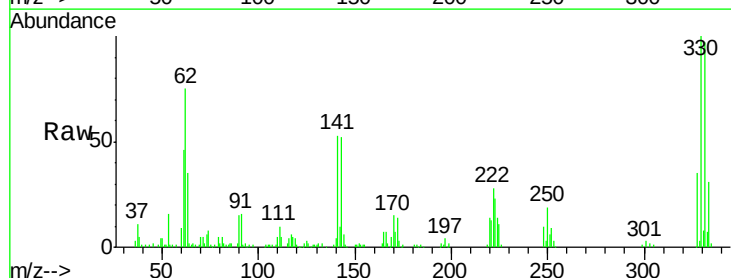
Tgt Ion:330 Resp: 157409

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

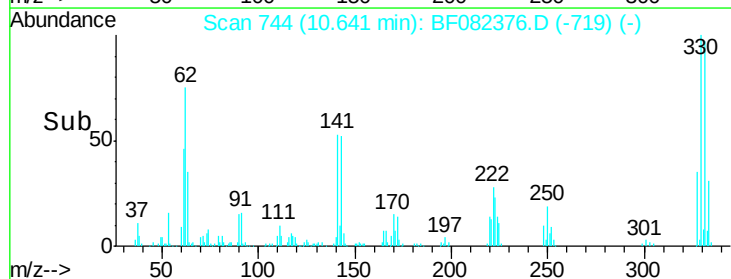
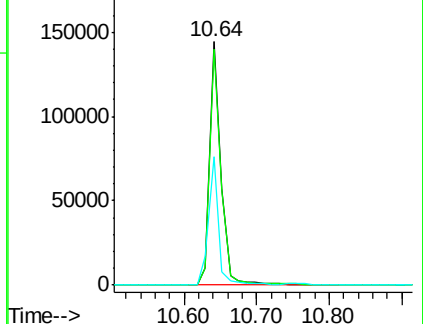
141 47.2 29.8 44.8#

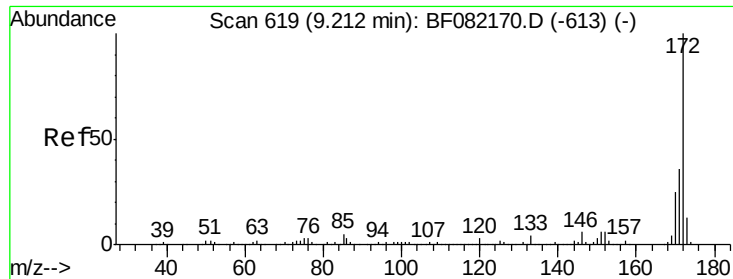


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

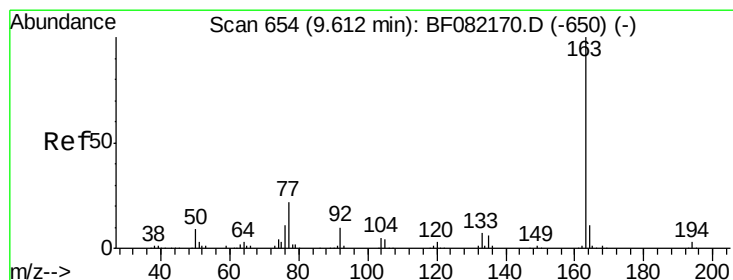
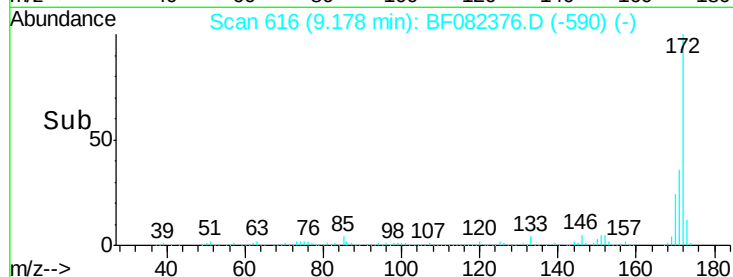
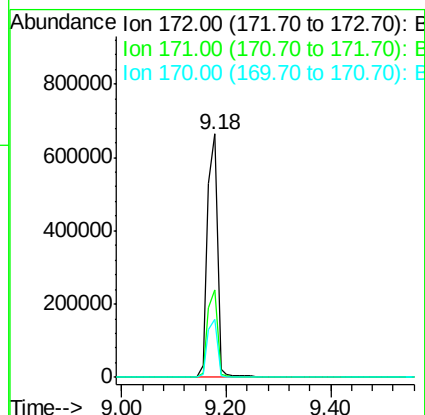
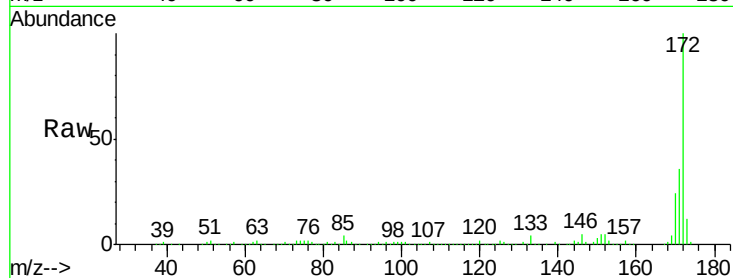




#44
2-Fluorobiphenyl
Concen: 79.69 ng
RT: 9.18 min Scan# 616
Delta R.T. 0.00 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

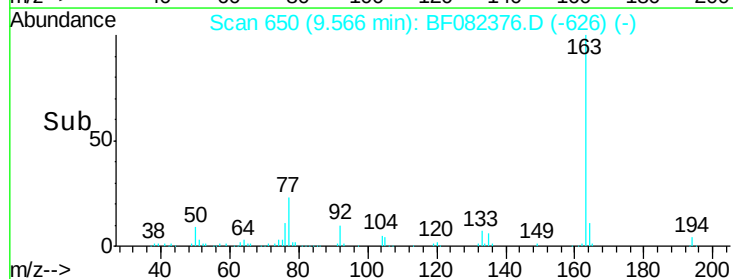
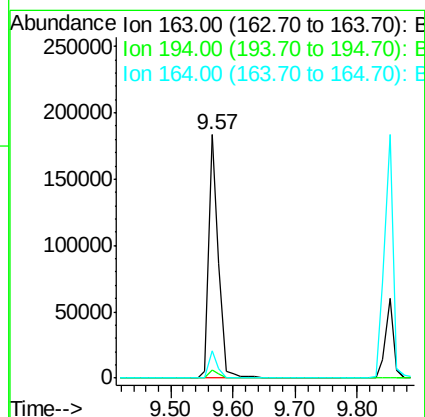
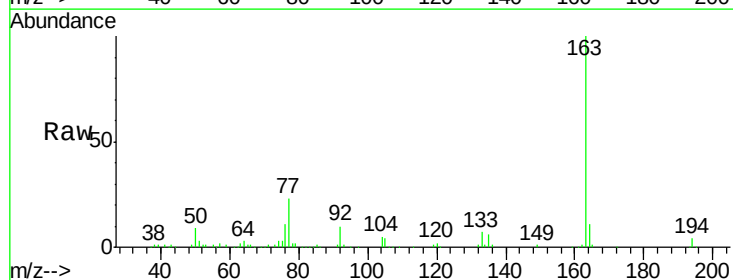
Instrument :
BNA_F
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IM-MLA-2.5-03

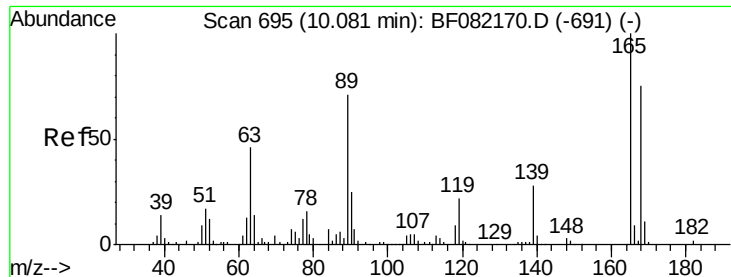
Tot Ion:172 Resp: 888324
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 23.8 19.7 29.5



#49
Dimethylphthalate
Concen: 15.38 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.02 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Tgt Ion:163 Resp: 200195
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 11.0 8.5 12.7

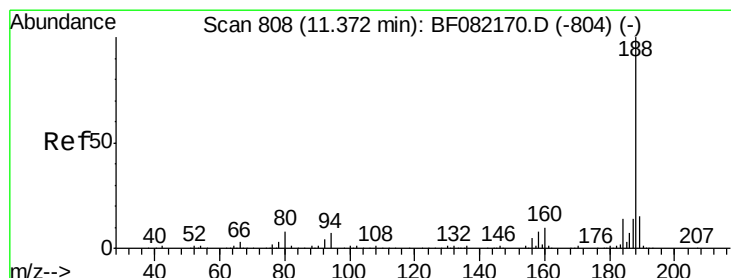
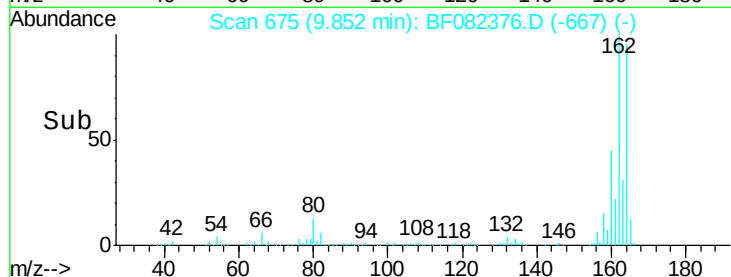
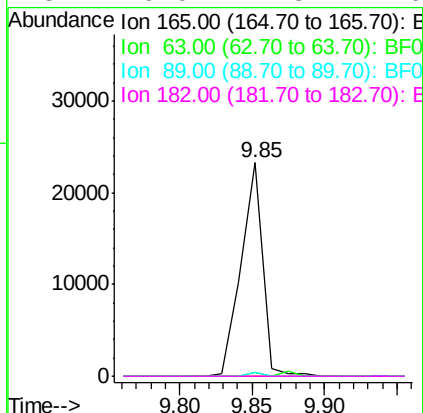
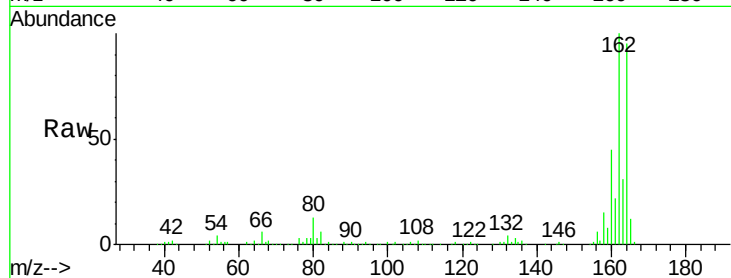




#56
 2,4-Dinitrotoluene
 Concen: 7.06 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

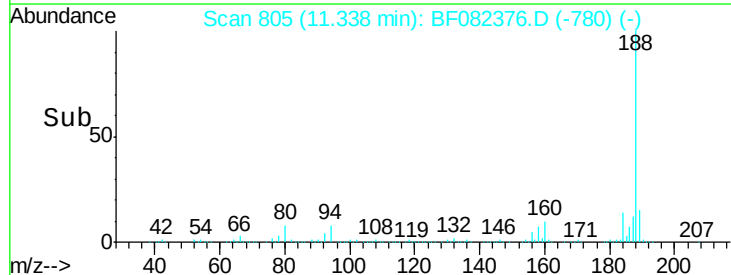
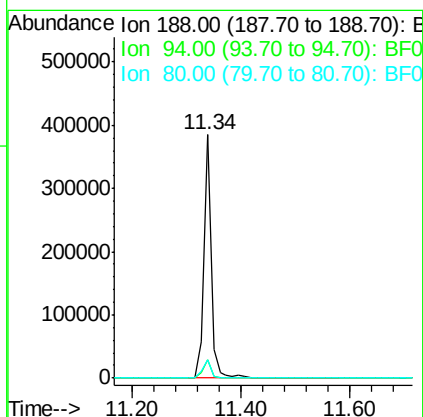
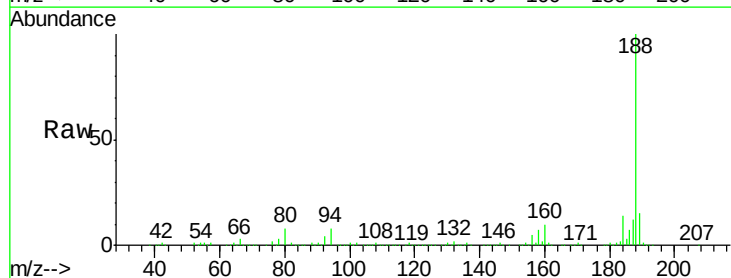
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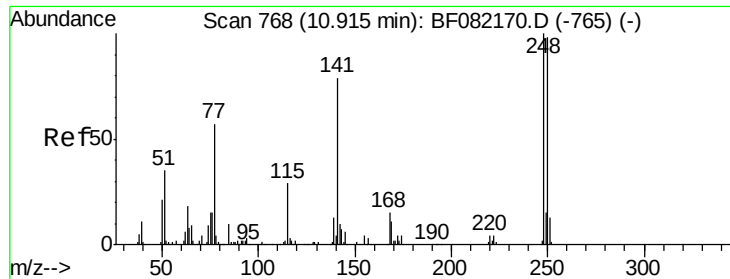
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	38.6	58.0#
89	1.6	57.0	85.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.8	8.6
80	7.8	6.4	9.6

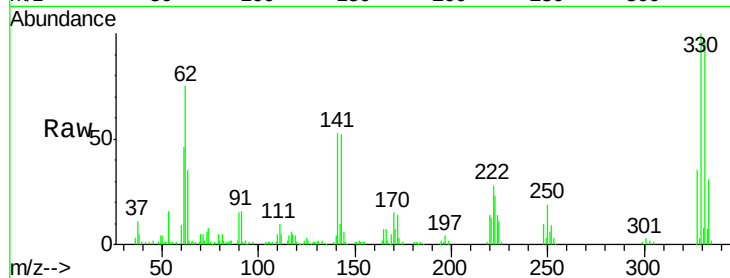




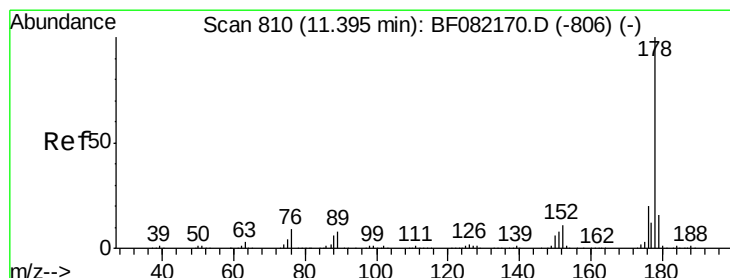
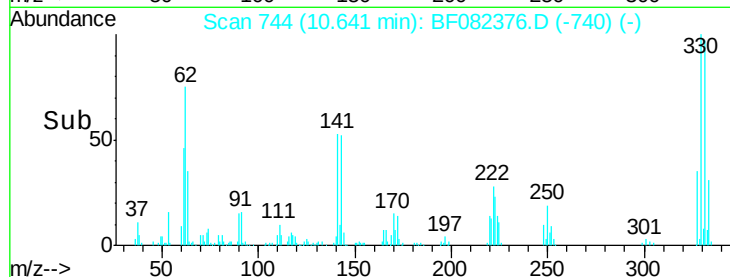
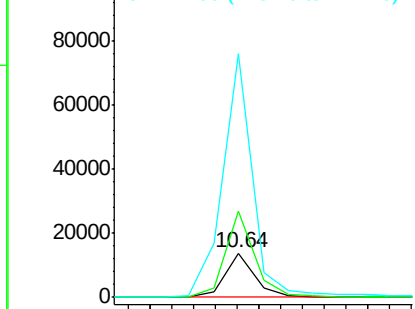
#66
 4-Bromophenyl-phenylether
 Concen: 3.58 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.25 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-03

Tot Ion:248 Resp: 12882
 Ion Ratio Lower Upper
 248 100
 250 194.5 78.6 117.8#
 141 550.0 63.3 94.9#

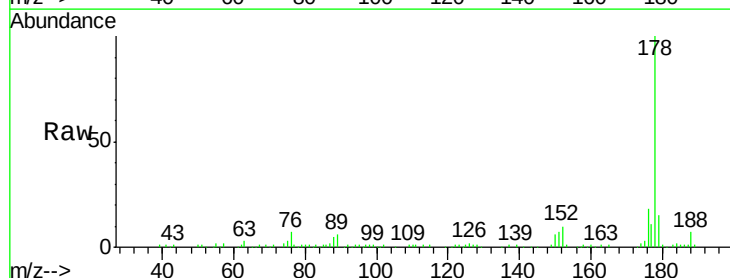


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

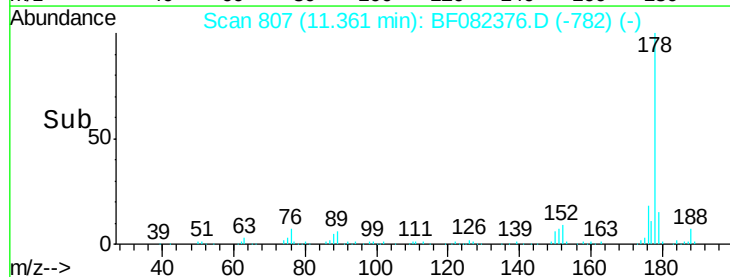
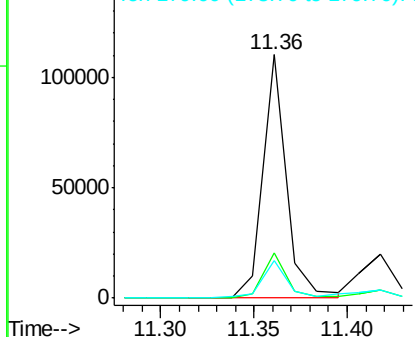


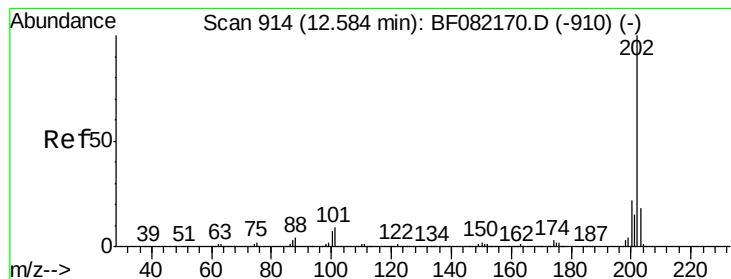
#70
 Phenanthrene
 Concen: 5.52 ng
 RT: 11.36 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Tgt Ion:178 Resp: 97177
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.0 24.0
 179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

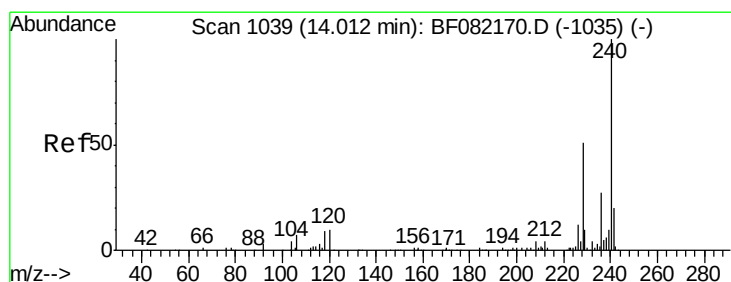
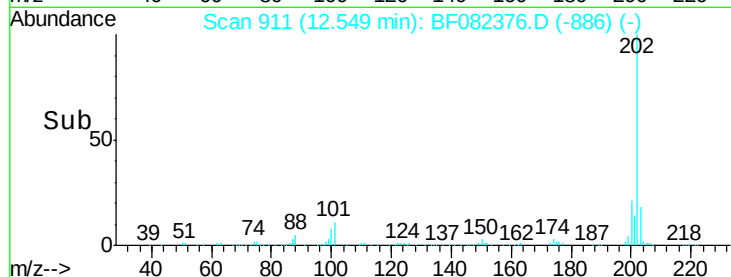
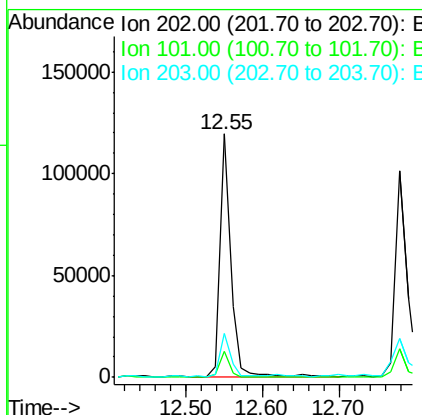
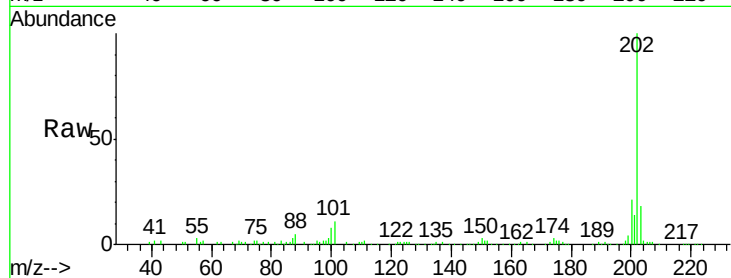




#74
 Fluoranthene
 Concen: 6.19 ng
 RT: 12.55 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

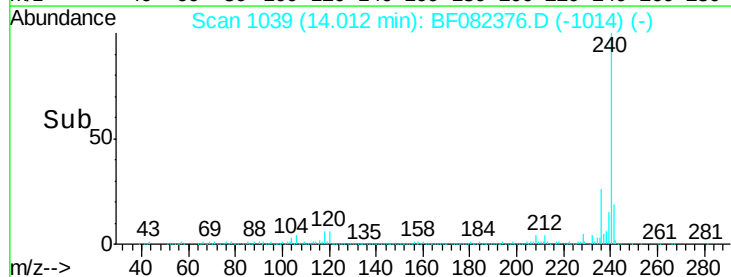
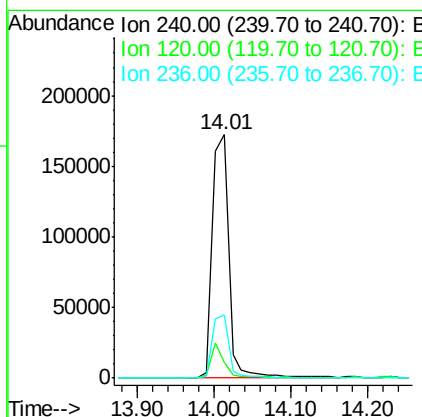
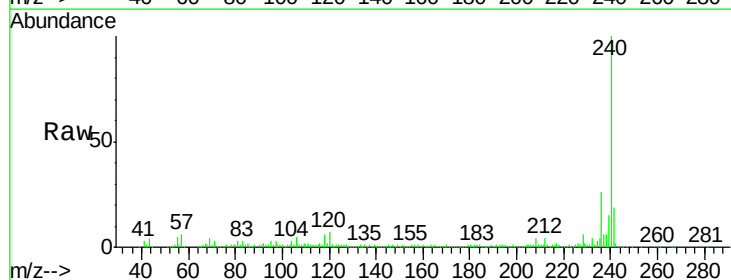
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-03

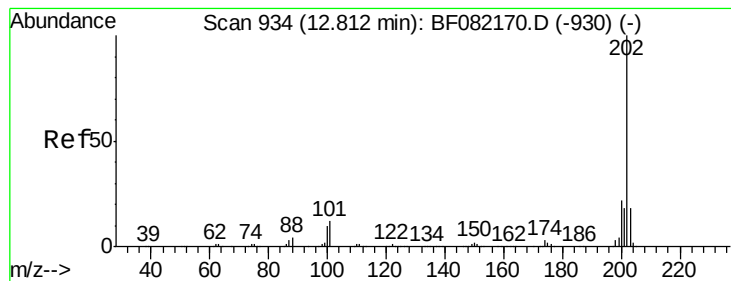
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	29.3
203	17.9	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.7	8.1	12.1#
236	25.9	21.3	31.9





#77

Pvrene

Concen: 7.12 ng

RT: 12.78 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-03

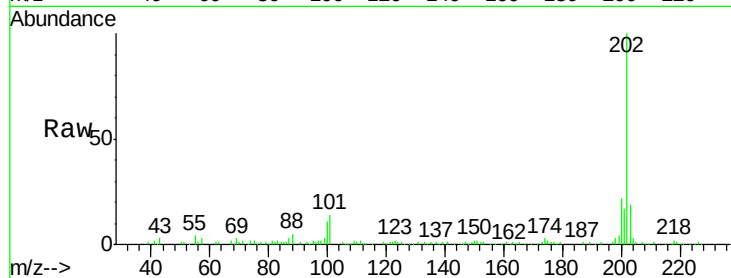
Tot Ion:202 Resp: 109408

Ion Ratio Lower Upper

202 100

200 21.5 17.9 26.9

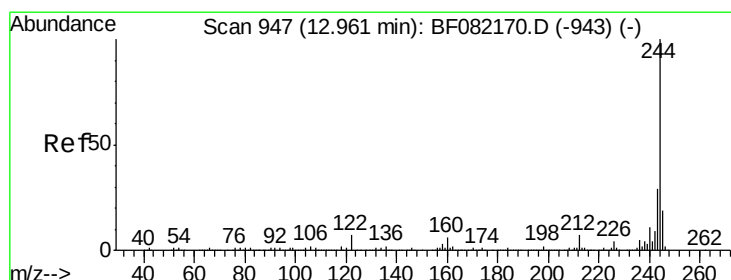
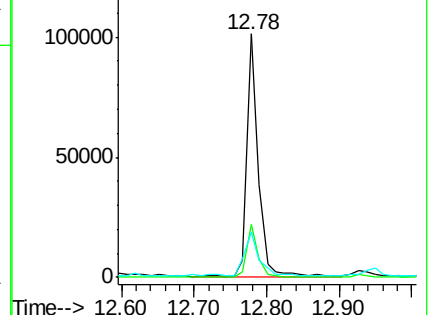
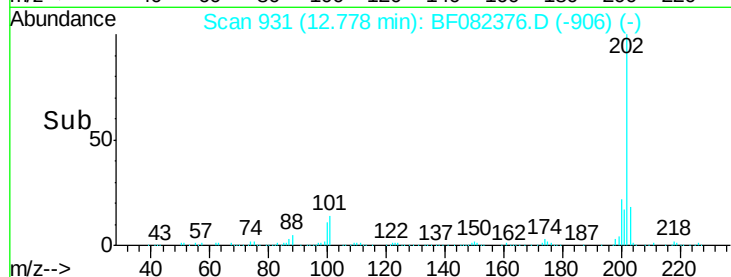
203 18.6 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 80.66 ng

RT: 12.93 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

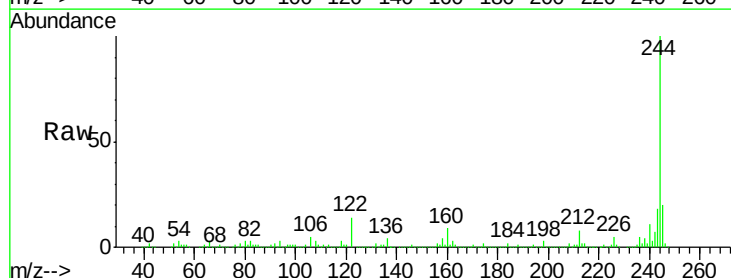
Tgt Ion:244 Resp: 787834

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.6

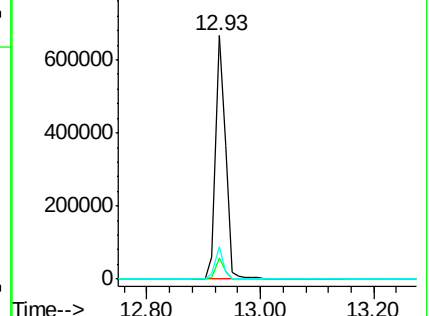
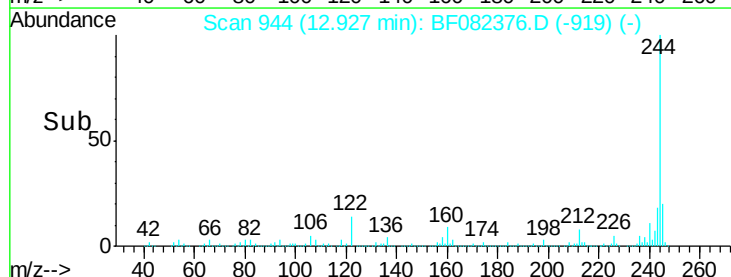
122 13.5 5.9 8.9#

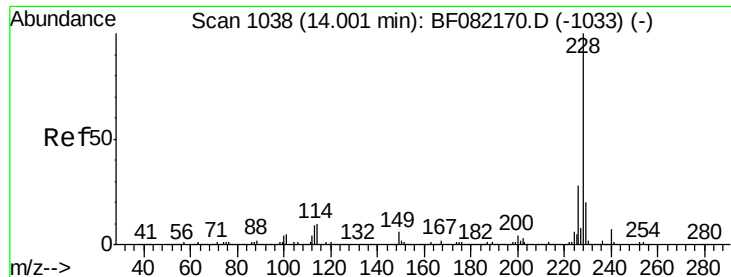


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.16 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-03

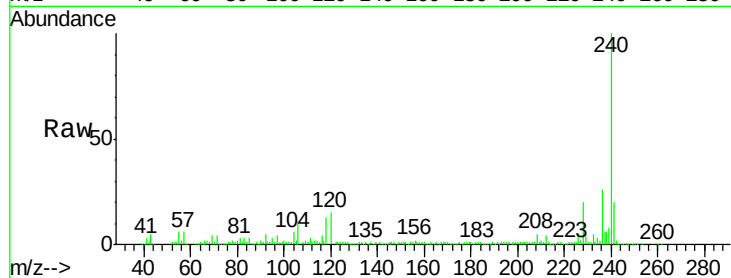
Tot Ion:228 Resp: 56050

Ion Ratio Lower Upper

228 100

226 26.8 22.3 33.5

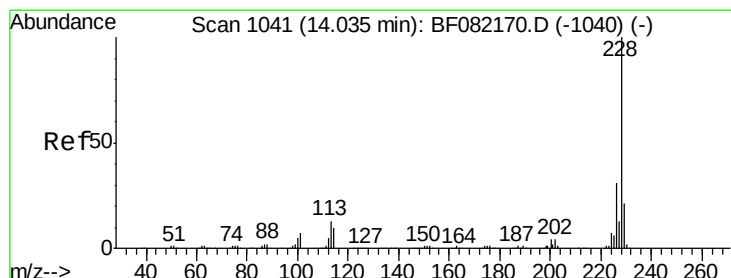
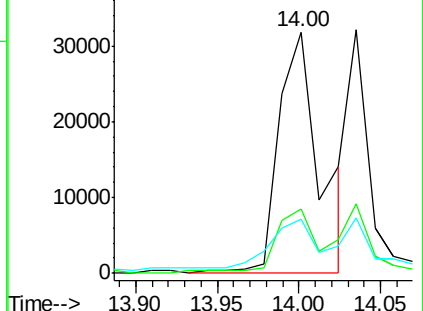
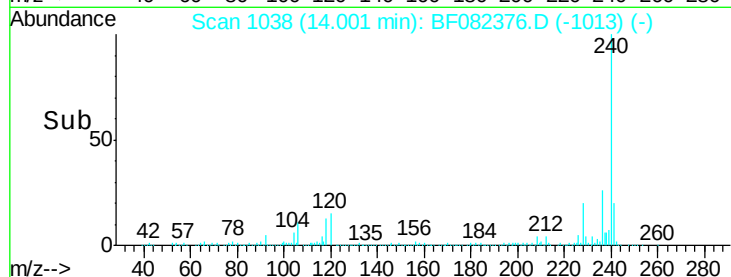
229 22.3 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.95 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.06 min

Lab File: BF082376.D

Acq: 20 Oct 2015 2:10

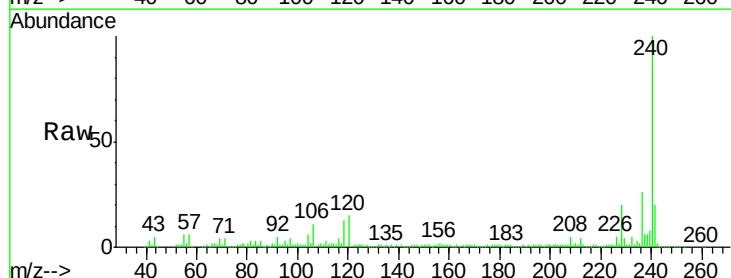
Tgt Ion:228 Resp: 56050

Ion Ratio Lower Upper

228 100

226 26.8 24.4 36.6

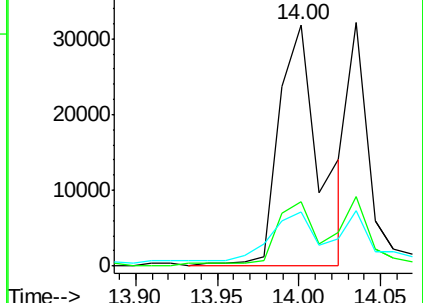
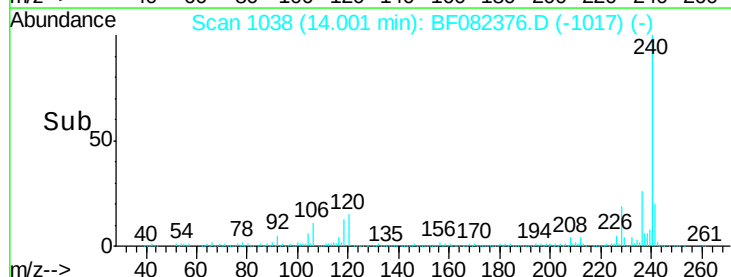
229 22.3 16.3 24.5

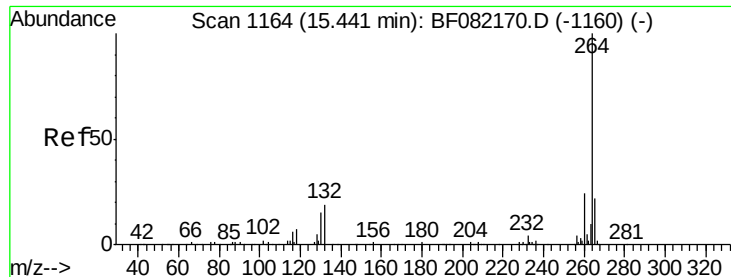


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

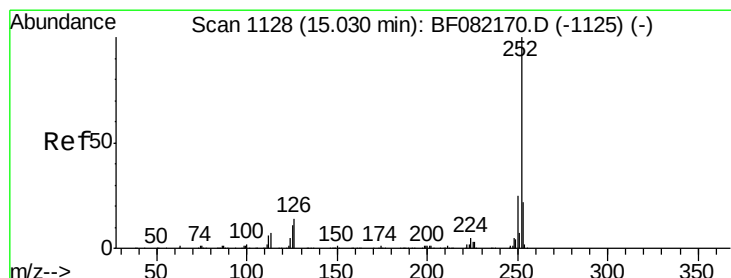
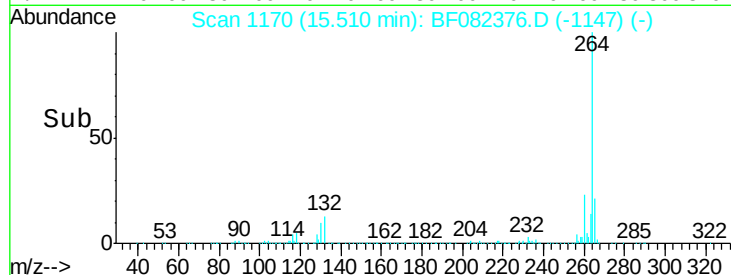
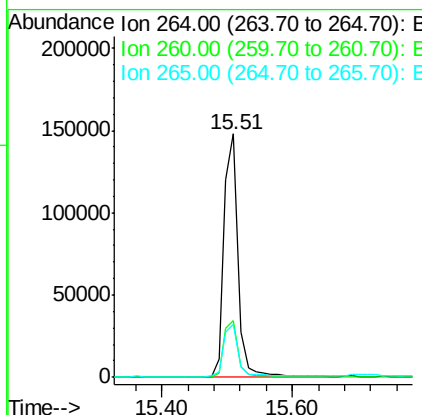
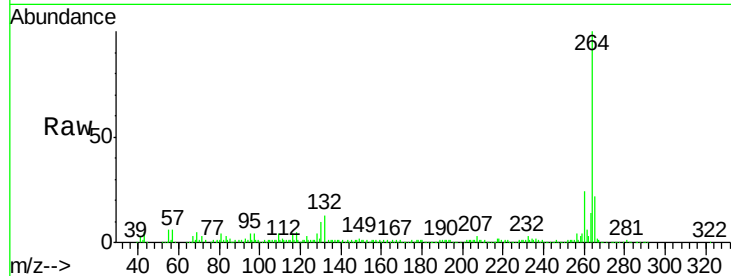




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

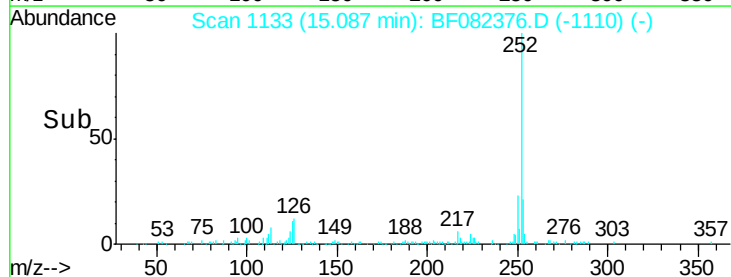
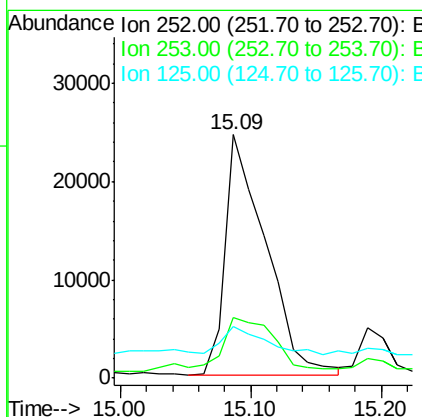
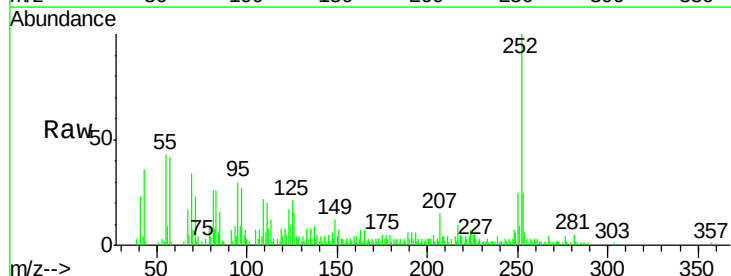
Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-03

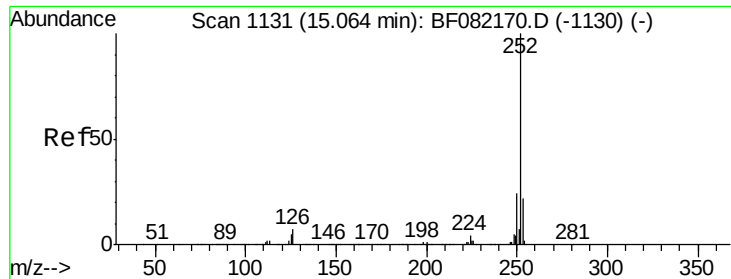
Tot Ion:264 Resp: 225248
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 3.86 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Tgt Ion:252 Resp: 52939
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 21.5 8.6 12.8#

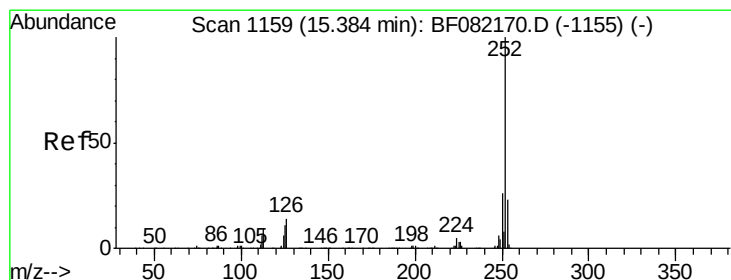
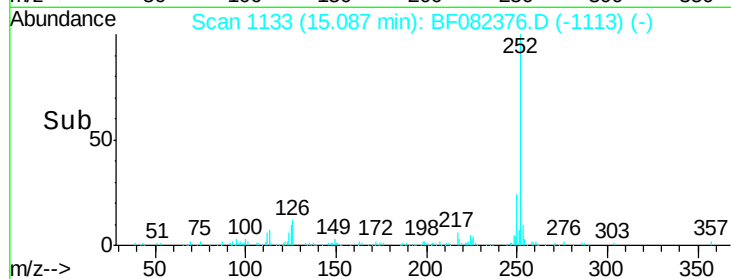
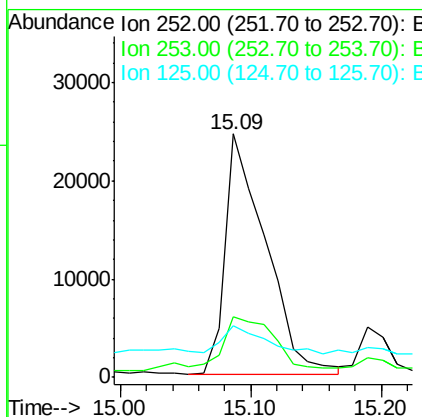
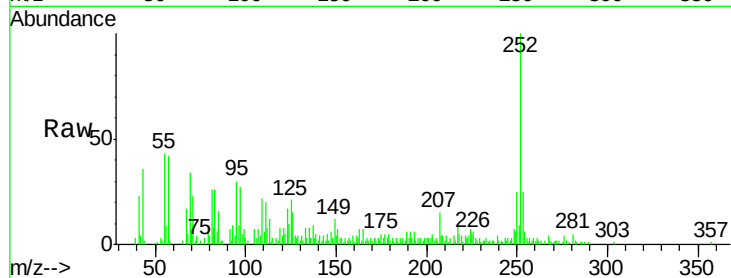




#88
Benzo(k)fluoranthene
Concen: 4.60 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

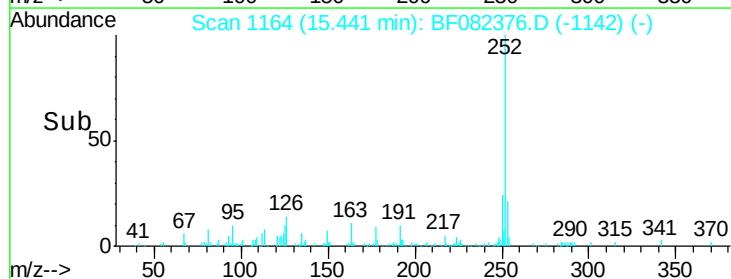
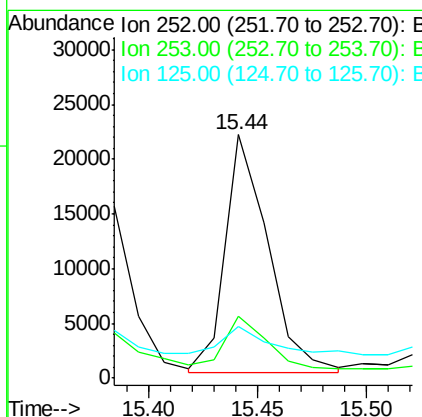
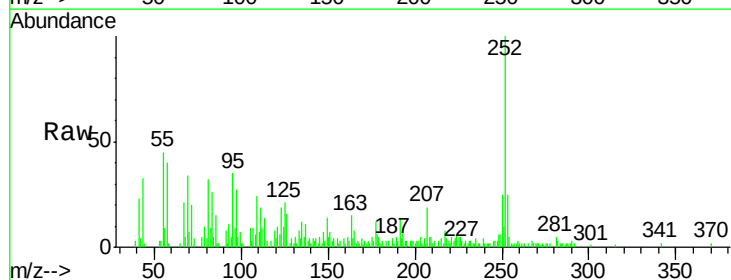
Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-03

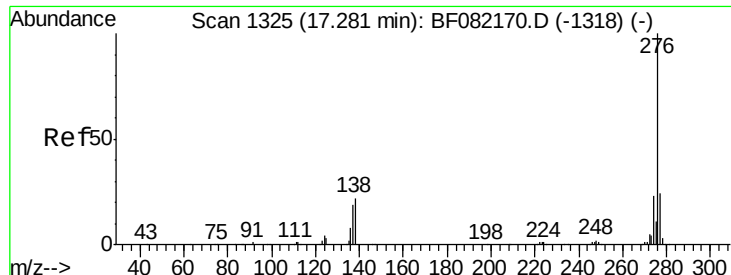
Tot Ion:252 Resp: 52939
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 21.5 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 2.52 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.05 min
Lab File: BF082376.D
Acq: 20 Oct 2015 2:10

Tgt Ion:252 Resp: 29684
Ion Ratio Lower Upper
252 100
253 25.2 18.2 27.2
125 21.3 8.9 13.3#

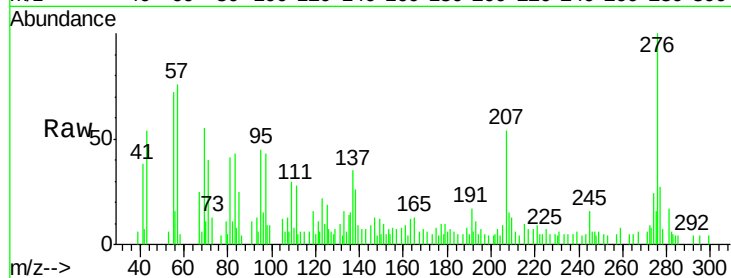




#91
 Benzo(a,h,i)perylene
 Concen: 2.18 ng
 RT: 17.35 min Scan# 1331
 Delta R.T. -0.05 min
 Lab File: BF082376.D
 Acq: 20 Oct 2015 2:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-03

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	27.1	18.8	28.2	
138	26.2	17.4	26.2	



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

